

Application No. 10/534,747
Amendment dated June 25, 2007
Reply to Office Action of January 24, 2007

Amendments to the Specification

Please add the following new paragraphs after paragraph [0026]:

[26.1] Figures 4, 5 and 6 illustrate a number of features of the mold blocks of the molding system. The troughs 13 and the crest mounting surfaces 12 of the mold block sections 9 are integral. Furthermore, the troughs 13 have a fixed relationship with the vacuum channels 45 shown in the figures. With this arrangement, the crest forming parts 15 are replaceable on the mounting surfaces 12 to either side of the troughs 13 that are integral to the mold block sections. With this arrangement, the interchangeable face attachments do not affect the relationship of the vacuum channels to the integral troughs. The replaceable crest forming parts allow the depth of the corrugations of the produced pipe to be adjusted. This adjustment is further enhanced by the replaceable cooling plugs associated with the specific crest forming parts. With this arrangement, the outer dimension of each different size pipe produced by the system is fixed as it is determined by the troughs which are integral to the mold block sections. The depths of the corrugations of the pipe are variable by the interchange of the cooling plugs and the use of the different crest forming parts. In the preferred embodiment, the thickness of the inner wall of the double walled pipe is also maintained at a similar section.

[26.2] Figures 4 and 5 also illustrate the step profile 59 of the crest mounting portion 12. This step profile includes a center recess 61 centered between two adjacent troughs 13. This recess receives the shoulder 63 provided on each crest forming part 15 or 23. The shoulder is sized to have a close fit with the center recess 61. With this arrangement, each crest forming part 15 or 23 is maintained in alignment between two adjacent troughs and is secured in the abutment faces 65 of the mold block sections 9.

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[26.3] Figure 6 illustrates the particular cooperation between the bracket 35, the bolt 41, and legs 37 and 39 of the bracket. The leg 37 engages the recess 16 whereas the leg 39 includes a diagonal face 67 which engages the diagonal face 69 of the recess 10. As the bolt forces the bracket 16 inwardly, the face of 67 and 69 cooperate to bring the crest forming parts shown as 15 into abutment with the crest mounting portion of the mold block. The bracket 35 assures the abutment of the crest forming parts with the crest mounting portions.

[26.4] Release of the brackets 35 by release of the bolt 41 allows the crest forming parts to easily separate from the mold block section. Basically, the crest forming parts 15 and 23 sit or mount on the crest forming parts and once the brackets 35 are moved to a release position, the crest forming parts may be removed.